

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. to 17. (Canceled)

18. (Currently amended) A method of diagnosing liver cirrhosis a disease selected from cardiovascular diseases, dermatological diseases, gastroenterological diseases, cancer, hematological diseases, inflammation, respiratory diseases, neurological diseases and urological diseases in a test mammal comprising the steps of

- i) determining the amount of a- an adiponectin receptor 1 (AdipoR1) polynucleotide comprising SEQ ID NO: 5 in a sample of taken from said test mammal, and
- ii) comparing the amount of said AdipoR1 polynucleotide from said sample to determining the amount of AdipoR1 polynucleotide comprising SEQ ID NO: 5 in a sample of a mammal that does not suffer from liver cirrhosis, healthy and/or diseased mammals

wherein said sample is a sample of (a) liver tissue; (b) spleen tissue; or (c) pancreas tissue and wherein the amount of AdipoR1 polynucleotide in the sample is indicative of the test mammal having liver cirrhosis if:

- (a) AdipoR1 is overexpressed in said sample of liver tissue of said test mammal relative to said sample of liver tissue said mammal that does not suffer from liver cirrhosis;
- (b) AdipoR1 is overexpressed in said sample of spleen tissue of said test mammal relative to said sample of spleen tissue of said mammal that does not suffer from liver cirrhosis; or
- (c) AdipoR1 is underexpressed in said sample of pancreas tissue of said test mammal relative to said sample of pancreas tissue of said mammal that does not suffer from liver cirrhosis,

19. to 26. (Canceled)

27. (New) The method of claim 18 wherein said AdipoR1 polynucleotide is DNA or RNA.

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28. (New) The method of claim 18 wherein said AdipoR1 polynucleotide is mRNA.
29. (New) The method of claim 18 wherein said AdipoR1 polynucleotide comprises nucleotides 299 to 376 of SEQ ID NO: 1.
30. (New) The method of claim 18 wherein said AdipoR1 polynucleotide encodes a polypeptide comprising the amino acid sequence of SEQ ID NO: 2.
31. (New) The method of claim 18 wherein said AdipoR1 polynucleotide comprises SEQ ID NO: 1.